PHYS 1501R - Fundamentals of Physics 1 Recitation

Fall 2026 Syllabus, Section 02, CRN 41163,

Credit hours: 1

Instructor

Snjezana Balaz

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Public Instructor Information

Instructor Title: Chair and Associate Professor

Instructor Professional Qualifications: Ph.D. Chemical and Materials Engineering, University of Nebraska-Lincoln, Lincoln, NE (2007); M.S. Physics, University of Nebraska-Lincoln, Lincoln, NE (2005); B.S. Physics, Northland College, Ashland, WI (2001)

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Course Description

1501R. Fundamentals of Physics 1 Recitation. Discussion and problem solving based on current material in PHYS 1501. Concurrent with PHYS 1501. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	Physics	Giambattista	

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Material Covered in your class

Week of	Proposed Topic	Due/To Prepare for Class
8/24	Introduction, Measurement, Estimating	
8/31	Kinematics in 1D	
9/7	Vectors	
9/14	Kinematics in 2D	
9/21	Dynamics: Newton’s Laws of Motion	
9/28	Dynamics: Newton’s Laws of Motion	
10/5	Circular Motion	
10/12	Work and Energy	
10/19	Linear Momentum	
10/26	Rotational Motion	
11/2	Static Equilibrium	
11/9	Fluids	
11/16	Oscillations	
11/23	Waves	
11/30	Sound	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.